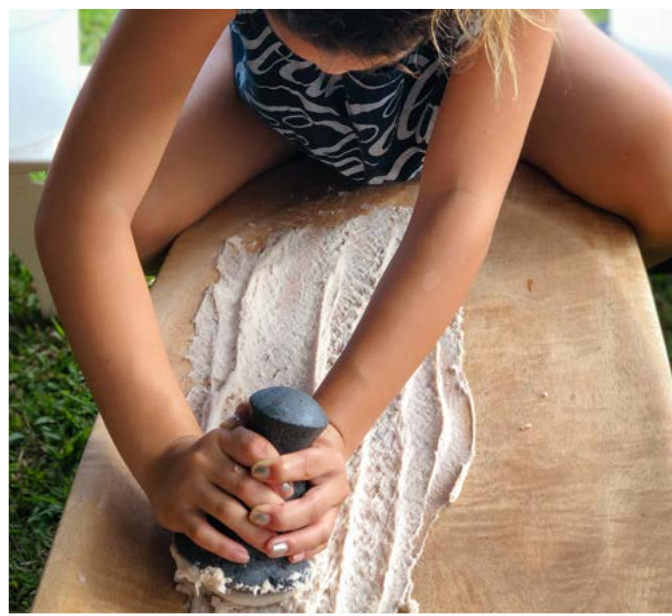
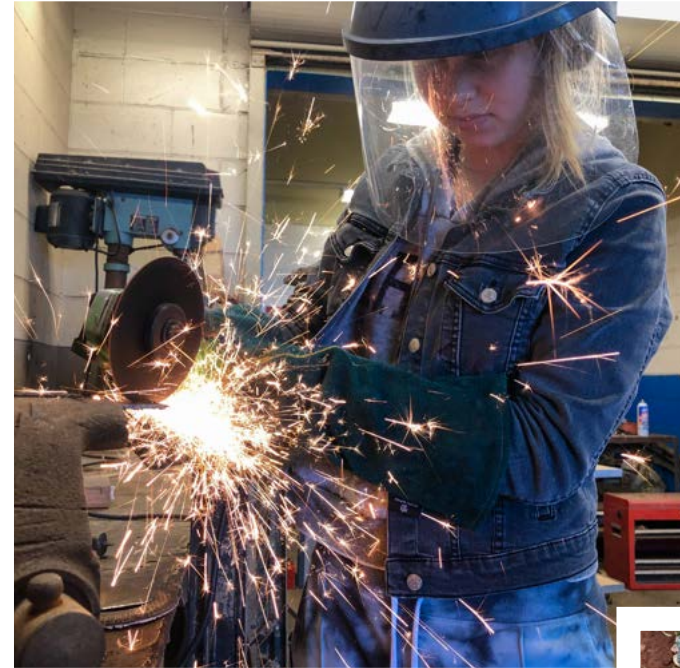


One of the most **IMPORTANT** things our students can learn is how to **TEACH OTHERS**. Whether it's **SKILLS** they've gained growing up, or those learned in one of our programs, everyone has something **VALUABLE TO SHARE**. Through the years, some of these **YOUTH** have become our teaching staff, and this is who is **LEADING** Ma Ka Hana Ka 'Ike (MKHKI) into the **FUTURE**: a **NEW GENERATION** of hands-on, community-based, **ALTERNATIVE EDUCATORS** who know Hāna **BEST**—because it's their **COMMUNITY TO MĀLAMA**.





View Video Online
<https://vimeo.com/339667055>

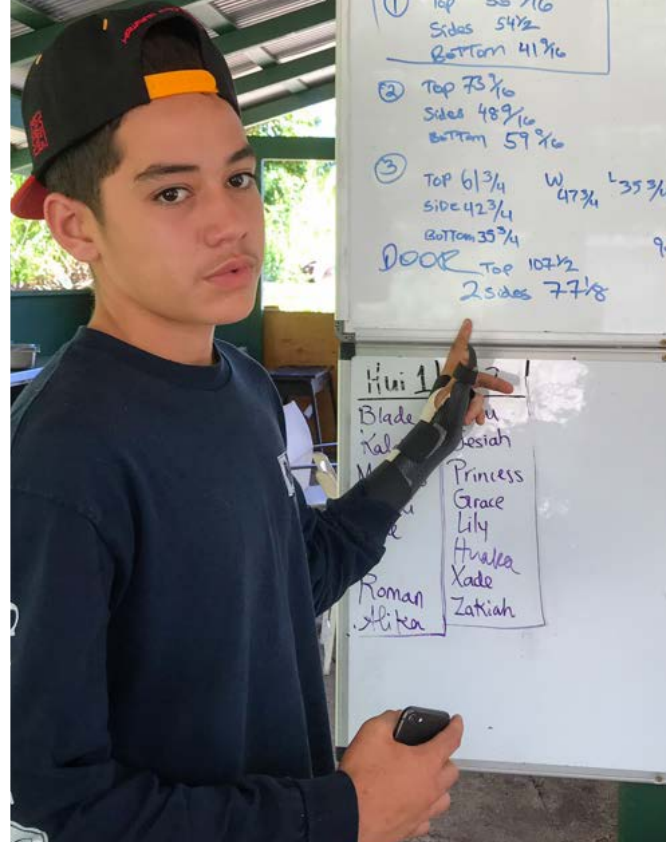
PROJECT BASED LEARNING COHORT

HĀNA STUDENTS BUILD THEIR OWN SCHOOL

This year, we challenged 16 of our students to build their own school—then to tell us what they wanted to learn there, to help them best succeed in life ... securing housing, job and career planning, how to caretake their 'āina and kai, communication and leadership, how to balance a checkbook and calculate a loan, how to start their own business. We asked them to document their experience in this Project-Based Learning (PBL) school and, after mentoring with local filmmakers Maui Huliau, they made the following video footage in this report.

We let our youth call the shots and they responded. Now, the Hāna School administration is prioritizing project-based learning for the entire high school in 2019–20, and the new Hawai'i School Superintendent, Christina Kishimoto, has identified us as a state leader in bridging learning with the real world—and preparing students for their future. On the last page of this report, a Hawai'i Business News article highlights our youth's contribution to this statewide transformation of Hawai'i's educational system. Here's what they've been learning ...



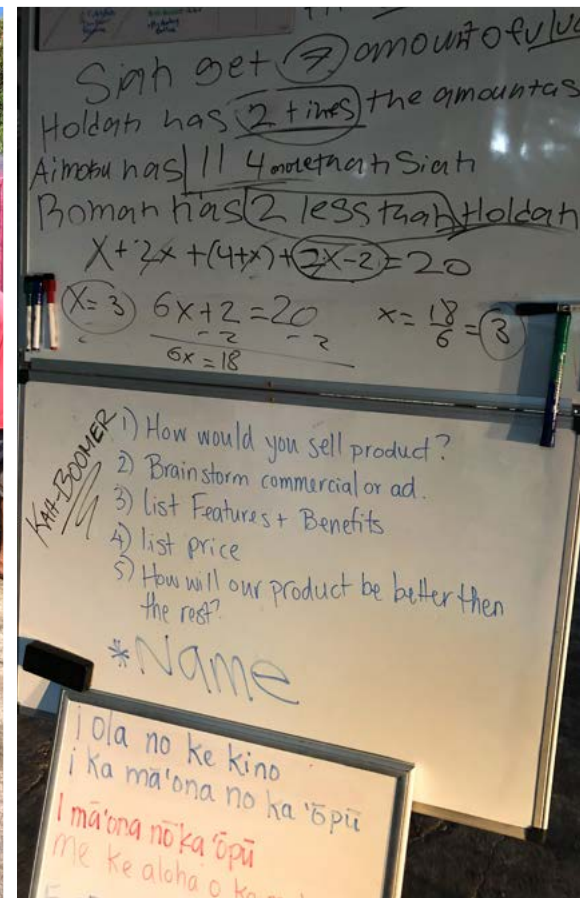


View Video Online
<https://vimeo.com/339666567>

A hydroponics lettuce system, developed by four PBL students and guided by Ma Ka Hana Ka 'Ike graduate and new Building Program manager James Freudenberg-Pu, started with a seven-week Maui Economic Opportunity course in business planning led by another MKHKI graduate, Hāna's own Christine Oliveira.

According to plan, youth built the system, planted the seeds, harvested the lettuce, and sold their first yield. When asked how the group came up with the idea, one said, "We wrote a business plan that would be great for Hāna. Rat lungworm is a real problem here, so we are growing food off the ground." Another added that learning how to grow his own food mattered to him most. When it came time to sell, he recalled, "We looked at pricing online and came up with an average price, then offered the lettuce to the [Hāna] stores for way less. [But] the store people didn't want to rip us off, so they paid the average price."

These students then presented their findings about alternative food production to Hāna School's agriculture class, using scientific language such as, "plant nutrients are measured by the total dissolved solids within the water." One class member asked, "How do you know all this?" The answer came quickly: "We built the systems from scratch, so we had to learn about the science and math that makes the food system work."



Business entrepreneurship is just one career direction our PBL kids are inspired to pursue after learning all their academics hands-on with us in 2018-19. When asked about their career plans, youth shared:

"I want to be a fighter pilot and learn the mechanics of the plane. If I like being in the air force I'll dedicate myself to it... Otherwise I'll be a paraprofessional on the rescue team."

BUILDING PROGRAM

COMMUNITY KŌKUA

In addition to constructing their own school, Building Program students and apprentices went into the community to help kūpuna and kama'āina with their building needs—and they created an ice-making facility to solve the longstanding problem of not enough ice for the fishermen of our remote region! Now they're building a prototype “tiny home on wheels”—a youth-designed solution to housing that works within permitting regulations and allows for flexibility of future use ...



[Placeholder for infographic]

- xx youth builders
- xx graduates mentoring students
- xx,xxx combined training hours
- 2 kūpuna ramps
- 1 kama'āina home restoration
- 32' x 48' learning pavilion for PBL School
- Solar-powered computer lab on wheels for PBL School
- 6 hydroponics systems + 1 aquaponics system
- Ice-making facility for Hāna fishermen
- Prototype tiny home on wheels

“Getting out of the house [to] help people ... helps us not to be shame.”

MAHELE FARM

SCHOOL GARDEN TAKES ROOT

Mahele Farm's new School Garden Coordinator (and former MKHKI apprentice) Mikyla Thomas, was helping third graders pull out the flowered cover crop to prepare their Māla 'Ai garden beds for planting. Every student had their knees in the dirt and muddy gloves. As Mikyla and the kids worked side by side, you could feel the anticipation of a task being close to completion. Suddenly, it started to pour down rain. "Everybody back to class!" Half of the students raced to find cover, while the other half reluctantly stood in the Māla 'Ai, brainstorming solutions. "Aunty, it's only water," said one student. Another added, "I have a towel in my backpack."

When the students were corralled back to class and instructed to open their math books, it was obvious they couldn't get the Māla 'Ai off their minds. With paper and a crayon, Mikyla took the opportunity to explain garden scenarios: "We have 16 seeds to plant in our garden. Can you draw for me all the different combinations of even rows we could plant our seeds in?" The students began imagining the real-life application of the math concepts being taught as applied to their beloved garden. When class was over, the kids showered Mikyla with letters about how much they loved learning and the garden (and the farm-grown banana ice cream they had helped her make!).

May 22, 2018
Aloha Aunty Mikyla
Thank you so much for coming to our class,
I learned that fruits and vegetables
are good for you, I liked the ice
cream, I enjoyed the ice cream,
I hope some day we can plant
I am excited to see you again, I want
to learn with you all the time

Mahalo nui loa,
Miaani

Aloha Aunty Mikyla

Thank you so much for coming
to our class.
I enjoyed the banana
ice cream and the growing the garden.
I like when we are going
to the garden and I liked when
we got to try different fruits.
I learned about bananas
and other fruits to learn about
and vegetables to
do this again.
I am excited about
that we are going to
the garden.
I want to learn about
fruits and veggies.

Mahalo nui loa
Nichola

Aloha Aunty M. Kyla
Thank you for the ice
cream Aunty Mikyla
it was so good that was the
best ice cream ever
I hope you make it again
when you come back
to school again back
over the best, best ice cream
Mahalo Naau

Aloha Aunty Mikyla
Thank you so much for coming to our
class.

I am excited when we are going
to the garden.
I enjoyed the banana and mango
ice cream.
I hope next time we can come to
Mahele farms.
I liked when we wrote down stuff
we want to put in the garden.
I want to go to Mahele farms.

Mahalo nui loa,
Pia-lei



[Placeholder for infographic]

- xx preK–12 students engaged
- 90 trees in on-campus fruit orchard
- xx acres cultivated at Mahele Farm
- xx pounds of fresh produce harvested
- xx kūpuna delivered produce [or pounds of produce delivered to kūpuna?]
- xx community & kūpuna volunteers

“If it was not for [our kids] opportunity to cultivate and connect with their food we would not have shared so many critical moments in the kitchen.”

“I share the bounty with the kūpuna of my community.”

MĀLAMA HĀLOA

Pound, pound, pound is a now-familiar backdrop at Hāna School, both during our in-class collaborations and at our after-school Ku'i Club, which extends to our students' 'ohana. To bring the ku'i process full circle, our Mālama Hāloa lo'i restoration crew teaches kids in the field at the 25 lo'i kalo we steward alongside the Wendt 'ohana in Wailua Nui ...



View Video Online
<https://vimeo.com/339665800>



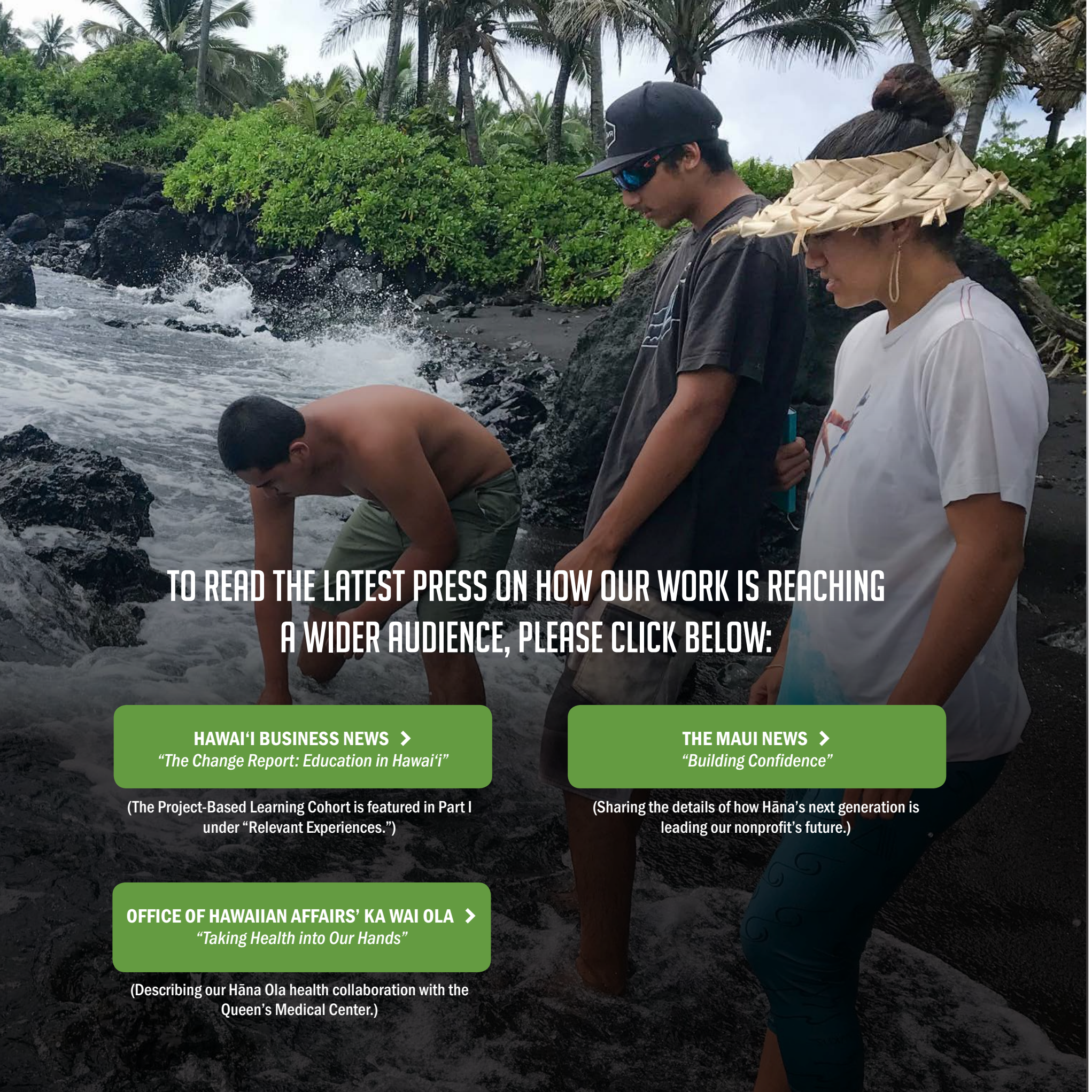
YOUTH KU'I WITH STATE LEADERS

To support our youth in their leadership potential, we brought Hāna kids to the annual Ku'i at the Capitol in Honolulu, where Senator Kalani English invited them to the Senate Floor and to a Q&A session in his office, to hear their visions for a better East Maui.



[Placeholder for infographic]

- xx ku'i sessions
- xx youth and community participants
- xx pounds of kalo consumed
- xx kūpuna delivered poi [or pounds of poi delivered?]
- xx papa and pōkahu carving workshops for families
- 25 lo'i kalo stewarded



**TO READ THE LATEST PRESS ON HOW OUR WORK IS REACHING
A WIDER AUDIENCE, PLEASE CLICK BELOW:**

HAWAI'I BUSINESS NEWS >

"The Change Report: Education in Hawai'i"

(The Project-Based Learning Cohort is featured in Part I under "Relevant Experiences.")

THE MAUI NEWS >

"Building Confidence"

(Sharing the details of how Hāna's next generation is leading our nonprofit's future.)

OFFICE OF HAWAIIAN AFFAIRS' KA WAI OLA >

"Taking Health into Our Hands"

(Describing our Hāna Ola health collaboration with the Queen's Medical Center.)

It's your ongoing partnership and support of our educational programs that have allowed Hāna youth to become our island's next leaders ...

MAHALO FROM THE BOTTOM OF OUR HEARTS.

“Hands-on learning is learning things that I actually need to know!”

(The student pointed to a white board full of math equations for calculating the angles of the prototype tiny home on wheels.)

“Because of this program I overcame my shyness. I couldn't ask questions without being shame. Now I can.”

(This female student started her own business and is now making and selling fishing lures in Hāna.)

“My life is like one mean change ... for my community, for the kūpuna. Work is my exercise.”

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